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***Share the Air!***

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# **Vance AFB 2009 Civilian Fly-In**

**17 Oct 09**

**71<sup>st</sup> Flying Training Wing Safety**

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# Colonel Mark Nowland

**71<sup>st</sup> Flying Training Wing  
Commander**



# Schedule of Events

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9:30 -10:30 Vance AFB / FAA Presentation

10:45 -12:45 Simulator Rides, Tower Tours, Static Displays

12:00 - 2:00 Departure Window

Simulator Rides will meet at Rally Point during your designated time found on your ticket.

Tower Tours will meet at base of tower.

Restroom facilities are located just outside hangar doors.

*DON'T FORGET TO CLOSE FLIGHT PLANS*

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# Overview

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- What we Do
  - Aircraft
  - Airspace
  - Ft Sill
  - Flying Safety
  - Vance Weather
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# Vance AFB



- 31,132 pilots since 1941
- Over 400 pilots annually
- 47,932 sorties, 71,301 hours in FY 2009
- 406,000 takeoffs/landings each year
  - 17<sup>th</sup> busiest airport in US
  - 2<sup>nd</sup> busiest airfield in USAF
- Joint training – USAF, Navy, Marine Corps, International



# Raytheon-Beech T-6 Texan II

- Initial, Primary Trainer
- All-glass cockpit, GPS, TCAS, UHF/VHF
- Pattern Ops, Instruments, Formation, Low Level
- Small airports
- Emergency Landing Patterns (ELP)



- Pratt & Whitney PT6A
- 110 – 320 KIAS
- 900 NM Max Range



# Northrop T-38C Talon

- Advanced Trainer, Fighter-Bomber Track
- Avionics Upgrade, GPS, TCAS, UHF/VHF
- Engine Modifications
- Pattern Ops, Instruments, Formation, Low Level
- Intro to Fighter Fundamentals (IFF)



- J85-GE-5R Turbojet
- 160 – 500 KIAS
- 700 NM Max Range



# Beechcraft T-1A Jayhawk

- Advanced Trainer, Tanker-Transport Track
- GPS, TCAS, UHF/VHF
- Pattern Ops, Instruments, Formation, Low Level
- Mostly off-station operations
- JT15D-5B Turbofans
- 160 – 330 KIAS
- 2100 NM Max Range





# Airspace

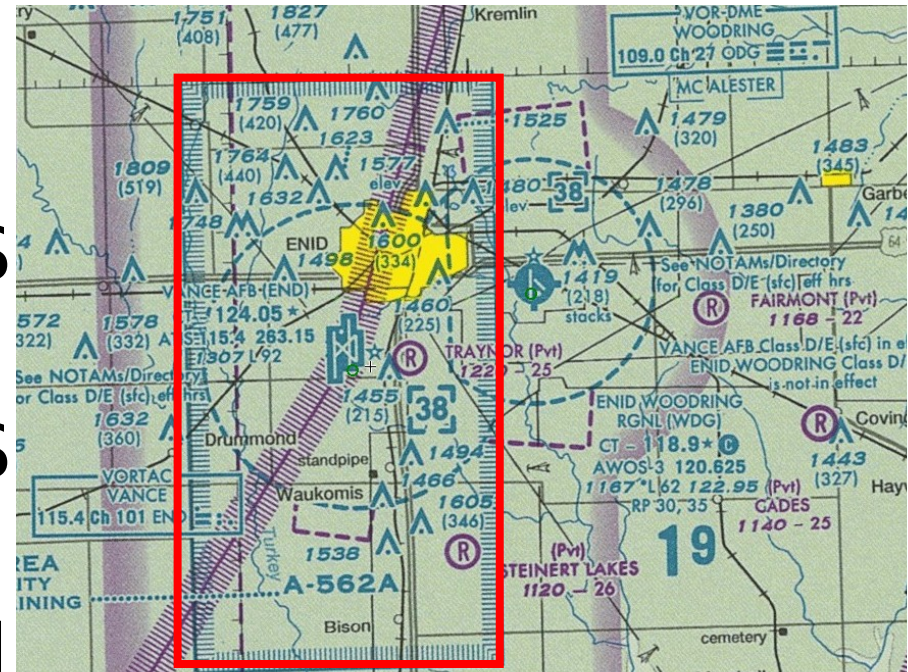
- Alert Areas
  - Vance/Kegelman Aux
- MOAs
- Monday – Friday,  
sunrise – sunset
- Occasionally  
nights/weekends
- NOTAMS (KEND)





# Vance Airfield Operations

- Pattern Operations  
Surface - 4500' MSL
- Approach Corridors  
Surface - 15,000' MSL
- Alert Areas  
Surface - 10,000' MSL
- Planning: Transition  
Vance outside 10 NM  
and/or 6,500' MSL







# Kegelman Auxiliary (CKA)

- Auxiliary Field for T-6 Pattern Operations
- Alert Area  
Surface – 10,000' MSL
- UHF-only
- Closed to civilian traffic
- Planning: Transition outside 10 NM and/or 6500' MSL

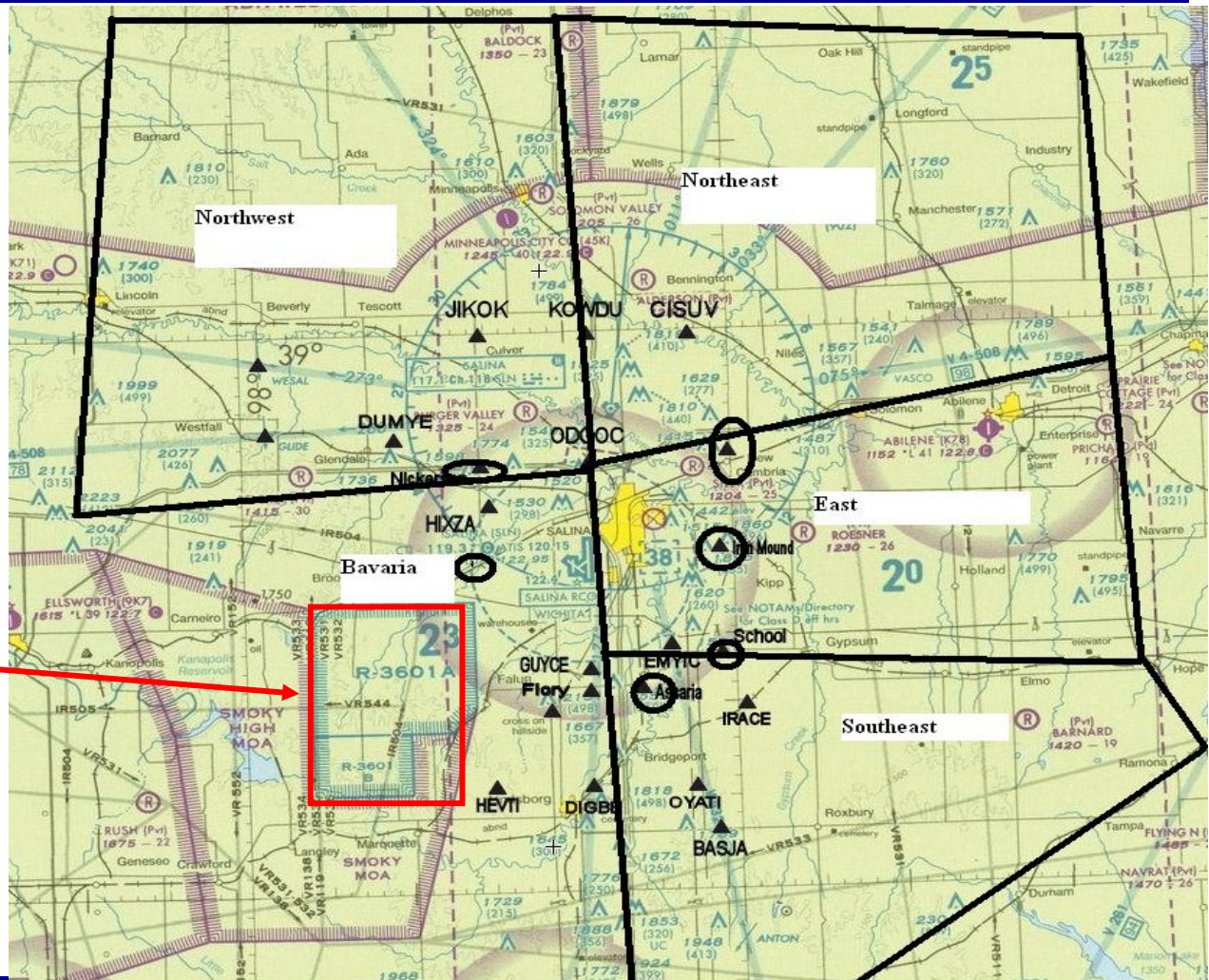




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# Salina

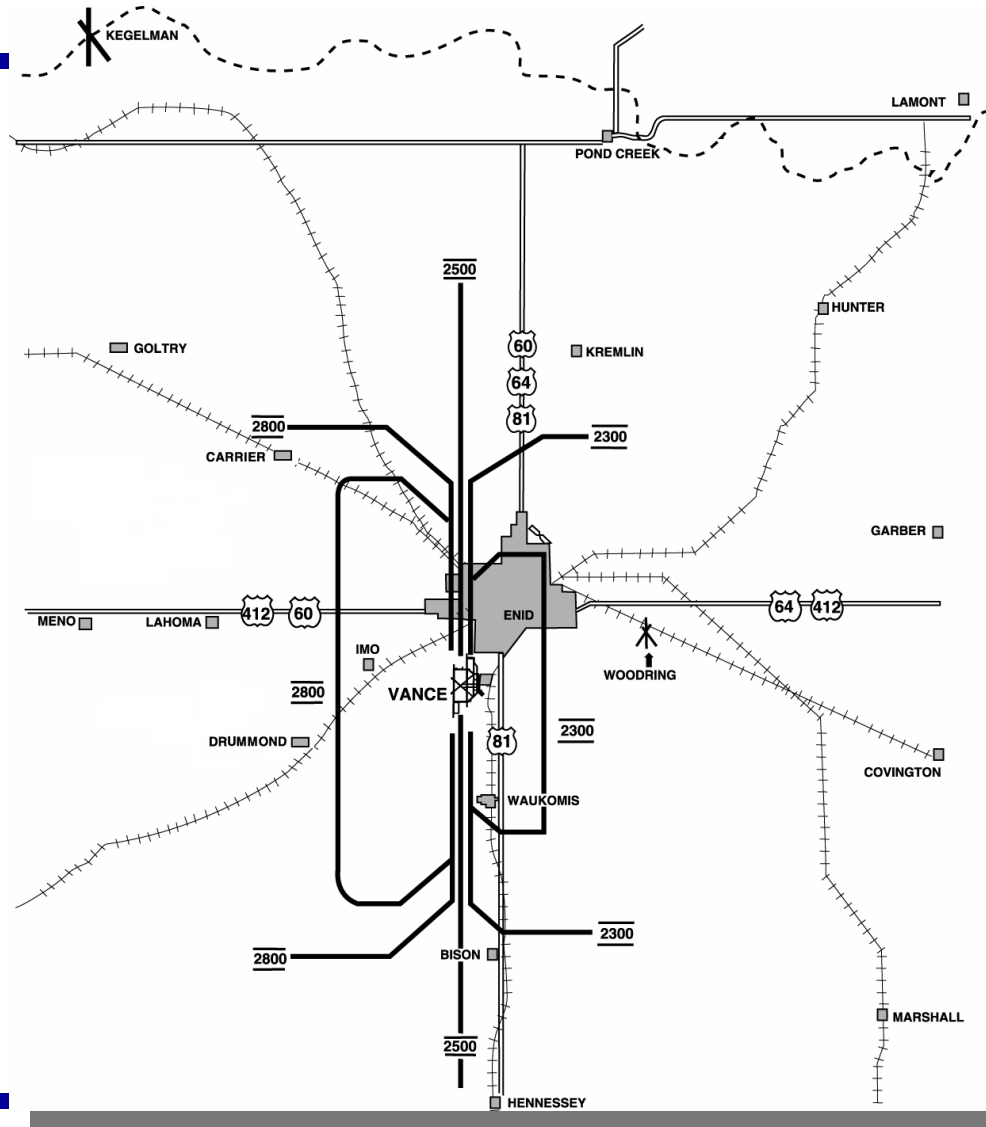
- Smoky MOA
- R3601
- IFF Range



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# VFR Pattern



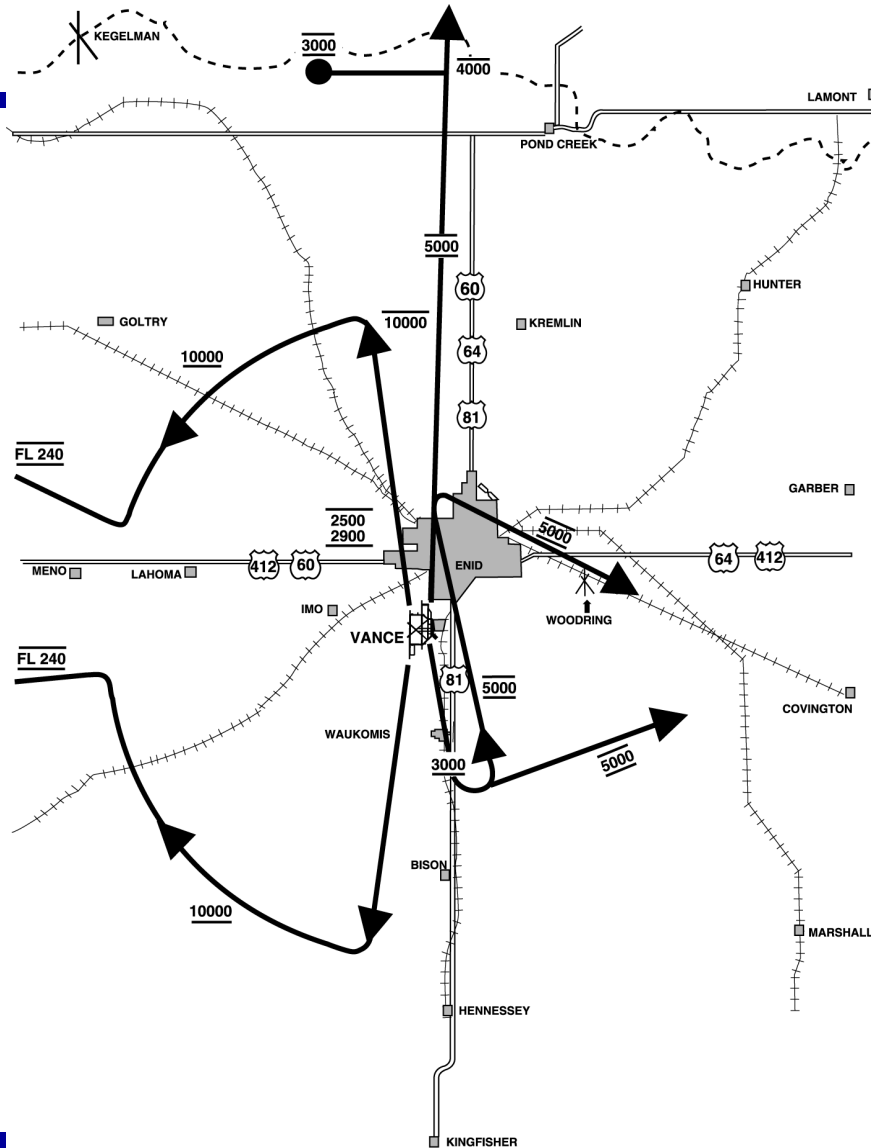
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# Departures



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# ATC Services

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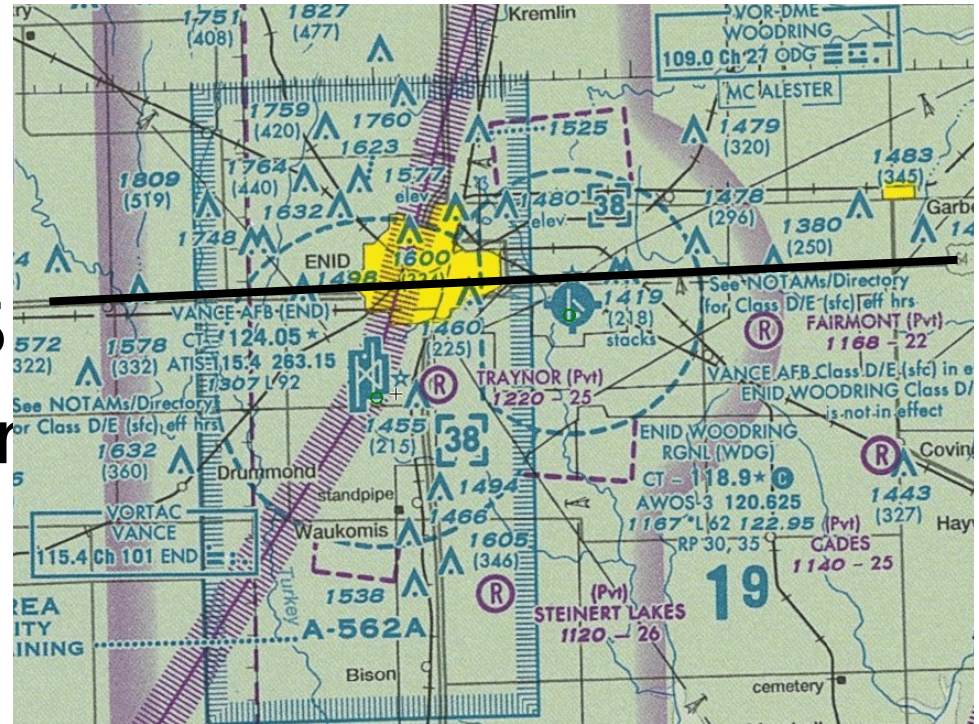
- Full Radar Approach Control (RAPCON) / Tower Services
  - Vance, Kegelman, Enid-Woodring, Fairview, Medford, and Watonga Airports
  - IFR / VFR Services
  - Class D airspace
  - *Please contact when transiting near Vance AFB when airfield open*
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# Transiting / Woodring Ops

- Transit 10 NM outside Vance
- Inside 10 NM: Highway 412, 3,000 – 4,000' MS
- Vance RAPCON for arrival/departure
- Woodring Tower handoff to Vance





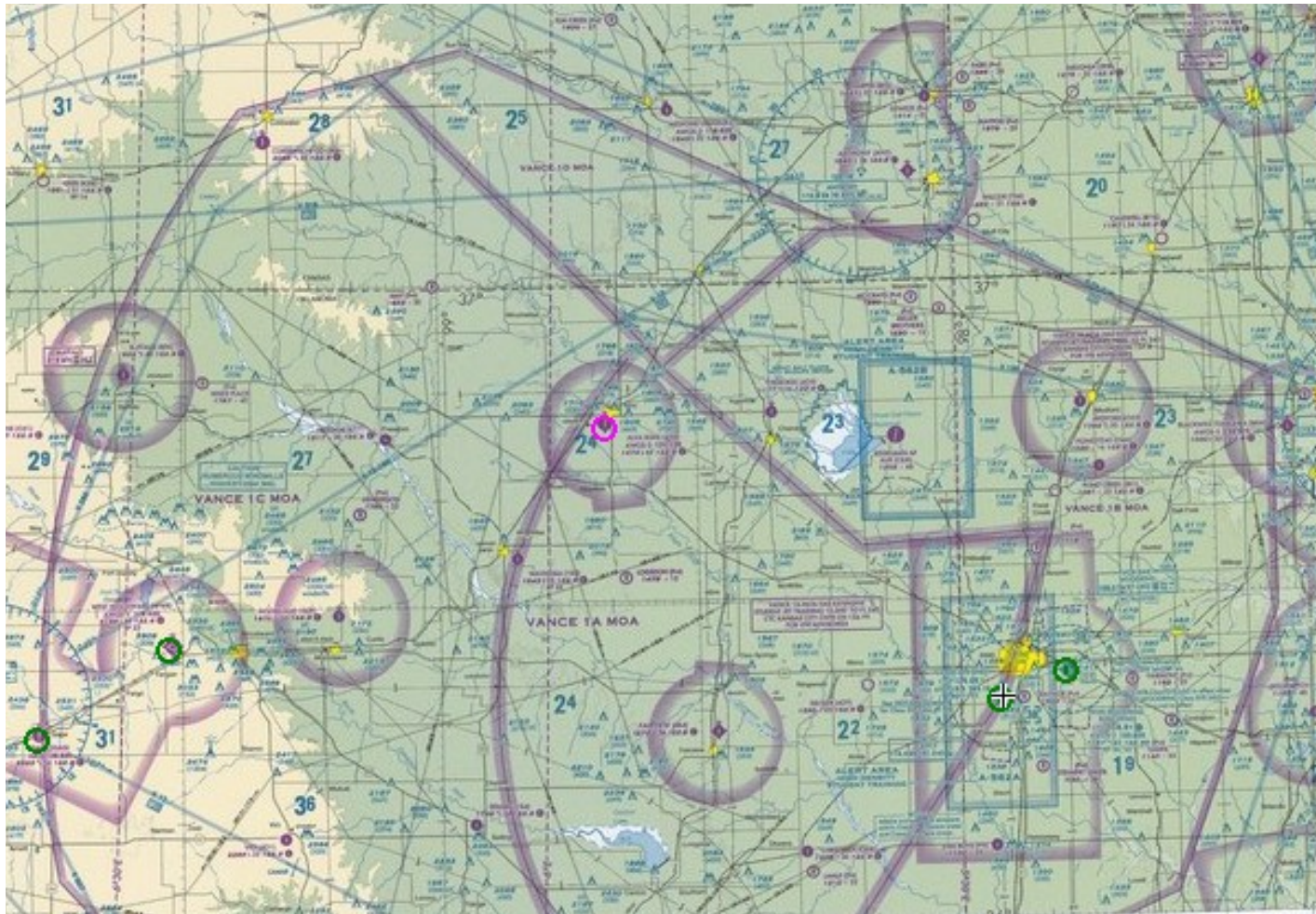
# Military Operating Area

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- Aircraft conducting aerobatics, instrument work, formation flying, Basic Fighter Maneuvers (BFM)
  - 7,000' MSL – FL 230, 70 – 500 KIAS
  - IFR:
    - Vectored in restricted altitude block
    - Vectored around MOA
  - VFR:
    - Legal, but safe?
    - Talk to Vance Approach
-

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# Military Operating Area



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# Military Training Routes

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- Training Operations below 10,000' MSL in excess of 300 KIAS
  - IFR (IR), VFR (VR), Slow Speed (SR)
  - Routes above 1500' AGL charted
  - Most commonly used: IR 145, 146, 171/181, 172/182, 173/183, 175/185, VR 119, SR 235/253, 241/247
  - Check NOTAMs, Flight Service, or Call
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# Military Training Routes



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- 500' – 1,500' AGL
  - 240 KTS – 400 KTS GS
  - IF POSSIBLE, PLAN ON CROSSING MTRs AT A MINIMUM OF 2000' AGL
  - 90 degree angle
  - *Our biggest chance of conflict!*
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# VANCE AFB LOCAL AREA MAP

   = Military Low Level Training Routes (500' - 4000' AGL)

Vance

  = Military Operating Areas

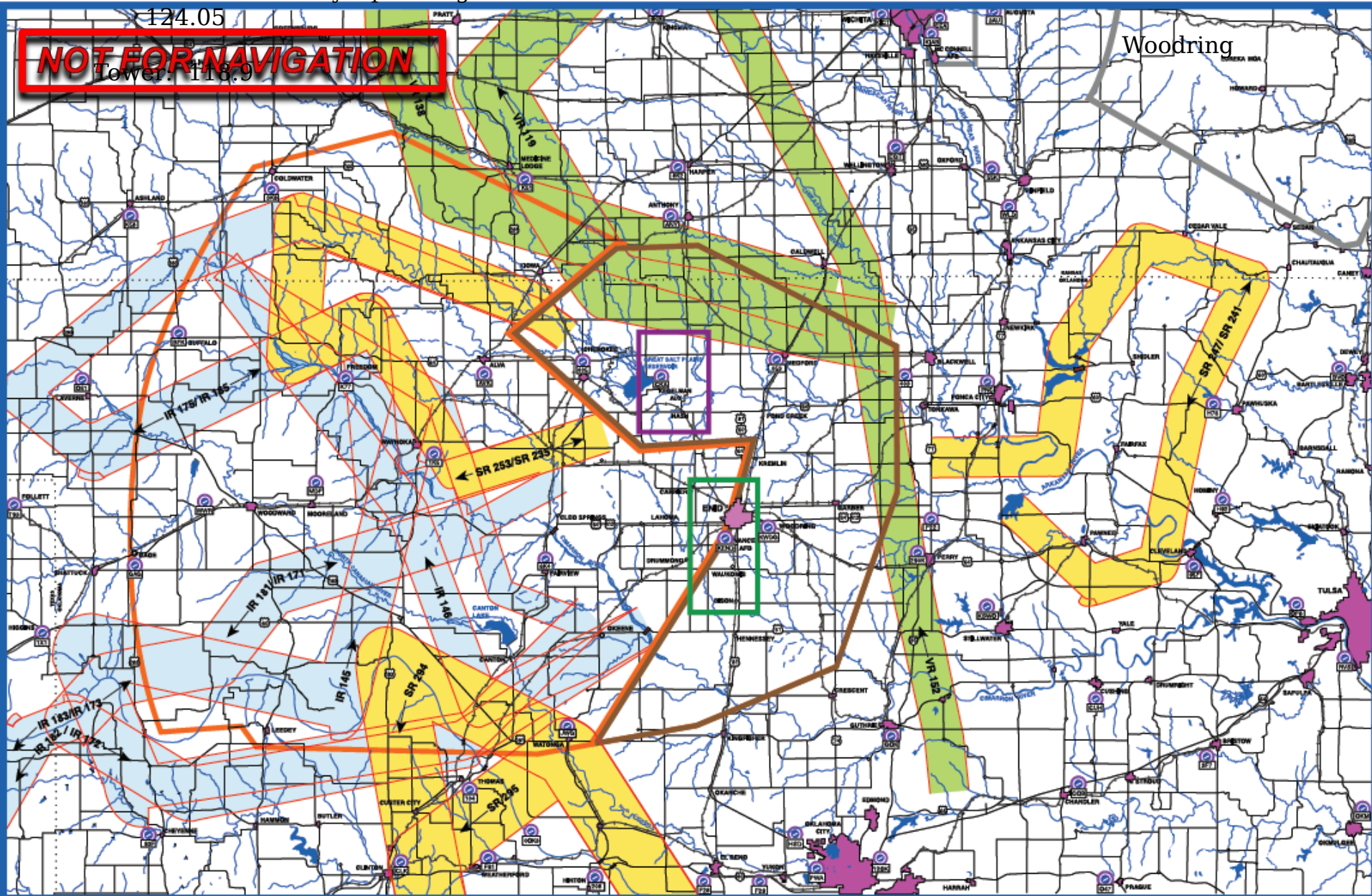
124.05

Vance Tower:

**NOT FOR NAVIGATION**

118.9

Woodring





# ***Share the Air!***

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**Vance Safety: (580) 213-SAFE**

**Vance Base Operations: 213-7425**

**Vance Airspace: (580) 213-7850**

**[http://www.vance.af.mil/safety  
.asp](http://www.vance.af.mil/safety.asp)**

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